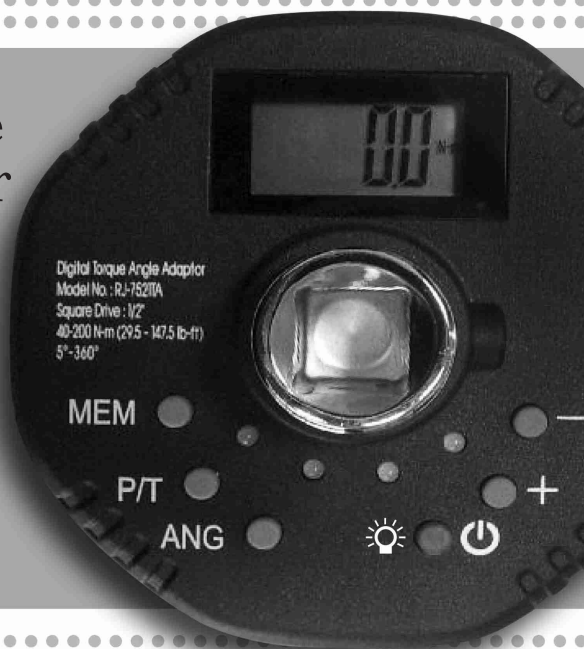
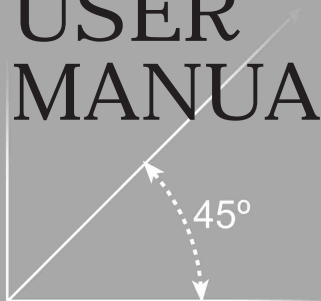


Digital Torque Angle Adapter

USER MANUAL



Digital Torque Angle Adaptor

Thank you for choosing RJ series digital torque angle adaptor. Please read instruction carefully before using. You will find this RJ series Digital Torque Angle Adaptor easy to use. Turn it on and apply the Digital Torque Angle Adaptor.



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1. Product Specifications

Model No.: **KE1802-12**

| | |
|-------------------------------|--|
| Torque Accuracy | ±2% |
| Angle Accuracy | (± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture) |
| Memory | 50 |
| Display resolution | Torque : 0.1 Angle : 1 |
| Display Range | 40 ~ 200N-m (29.5-147.5lb-ft) Angle : 5 ~ 360° |
| Drive | 1/2 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-m, lb-ft, N-m |
| Dimension | 75mm W : 101mm |
| Weight | 280 g |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°F - 139.9°F) |
| Storage Temperature | -20°C - 70°C (-4°F - 157.9°F) |
| Operating relative humidity | 15 to 90% noncondensing |
| Auto shut off | 80 seconds (if do not use.) |

Model No.: **KE1802-12**

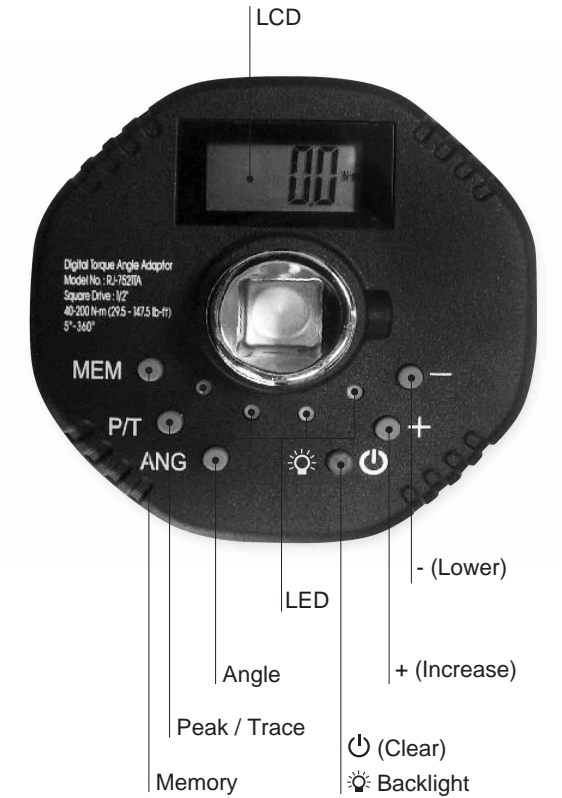
| | |
|-------------------------------|--|
| Torque Accuracy | ±2% |
| Angle Accuracy | (± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture) |
| Memory | 50 |
| Display resolution | Torque : 0.1 Angle : 1 |
| Display Range | 27 ~ 135N-m (19.9-99.6lb-ft) Angle : 5 ~ 360° |
| Drive | 3/8 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-m, lb-ft, N-m |
| Dimension | 75mm W : 101mm |
| Weight | 270g |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°F - 139.9°F) |
| Storage Temperature | -20°C - 70°C (-4°F - 157.9°F) |
| Operating relative humidity | 15 to 90% noncondensing |
| Auto shut off | 80 seconds (if do not use ratchet.) |

Product Specifications

Model No.: **KE1802-12**

| | |
|-------------------------------|--|
| Torque Accuracy | ±2% |
| Angle Accuracy | (± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture) |
| Memory | 50 |
| Display resolution | Torque : 0.1 Angle : 1 |
| Display Range | 6-30 N-m (4.4 ~ 22.1lb-ft) Angle : 5 ~ 360° |
| Drive | 1/4 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-m, lb-ft, N-m |
| Dimension | 75mm W : 101mm |
| Weight | 200 g |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°F - 139.9°F) |
| Storage Temperature | -20°C - 70°C (-4°F - 157.9°F) |
| Operating relative humidity | 15 to 90% noncondensing |
| Auto shut off | 80 seconds (if do not use.) |

2. Components and Features



3. How to use Digital Torque Angle Adaptor

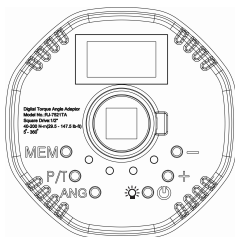
Do not press "M" and "⏻" button together please.

The system will enter into Calibration Mode.

Turn off power please.

3-1 Battery Install and Replacement.

1. AA x 2
2. Keep the end thread clean and dry for a good contact.
3. Open the battery cap.
4. Remove the old battery.
5. Install 2 pcs AA Battery in the housing. (with the "+" sign facing upwards).
6. Screw the battery cap.



缺

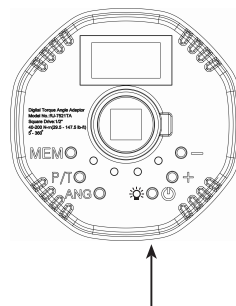
煩請提供背面圖

Note

1. When battery are low a "🔋" icon will light.
2. Remove the battery if stored for a long period of time.
3. Battery life depends on battery quality and the amount of the lights and buzzer are used.
4. Typical life is up to 110 hours

3-2 Power On.

1. Press and release the "⏻" button to turn the adaptor on. The LCD panel shows "E-ACE".
2. After 2 seconds the L.C.D panel show "00.0".
3. Swing the ratchet.
4. The L.C.D displays the torque value measured.



Note

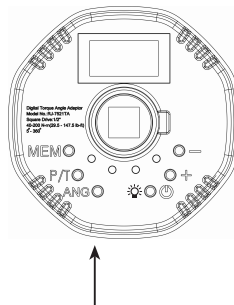
If you do not use the ratchet for 80 seconds the digital angle adaptor will automatically shut off.

How to use Digital Torque Angle Adaptor

3-3 How to use Angle functions.

1. Place the adaptor on a flat surface.
2. Press and release "Angle" button.

3. The L.C.D will show "0000.0".
4. The L.C.D will show : 0°
5. Swing the wrench.
6. The L.C.D displays the angle value measured.
(CCW: -5°, -6°,-20°...)(CW: 5°, 6°20°...)
7. Stop use digital torque angle adaptor when the degree reach you need.
8. The angle value and torque value will flash alternately for 10 seconds.
(for example -20°, 15) but this mode must be under the P_{LO}P mode.

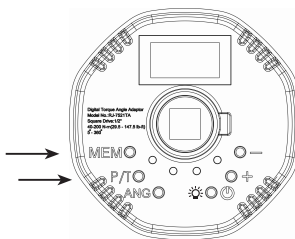


3-4 How to select "Unit".

Press "M" and "P/T" button together and release to select different torque units.

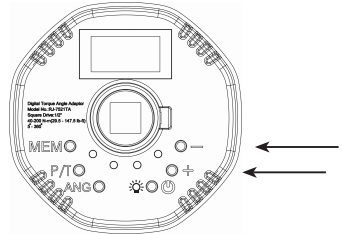
Note

1. When you change units the target setting will also be changed to the new units value.
2. This digital ratchet contains 3 unit selections.
(kg-m, ft-lb, N-m).
3. 3 color LED light indicator.



How to use Digital Torque Angle Adaptor

3-5 How to select "Target Torque Value".



1. Increase (+):
 1. Press and hold the (+) button to increase the current target value,
 2. The target will show for 10 seconds.
 3. After 10 seconds the LCD display 0.00.
2. Lower (-):
 1. Press and hold the (-) button to lower the current target value,
 2. The target will show for 10 seconds.
 3. After 10 seconds the LCD display 0.00.

Note 3 color LED light indicator

1.Green light:

When you start to use digital torque angle adaptor the LED indicator will flash "green":.

2.Yellow light:

When you are approaching 20% before the target, you will see a flash "yellow" and hear an intermittent buzzer warning that the torque is close.

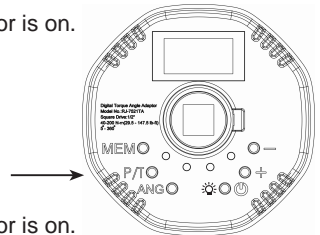
3.Red light:

When the target values is attained the LED will change "red" light and an buzzer will sound.

3-6 How to set "Peak" or "Track".

Peak :

1. Press and release "P/T" - button when the digital adaptor is on.
2. The L.C.D panel shows " P T O P ".
3. The L.C.D panel shows 00.0 after 2 seconds.



Track :

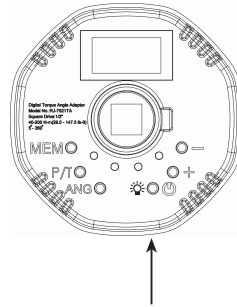
1. Press and release "P/T" - button when the digital adaptor is on.
2. The L.C.D panel shows " T R A C K ".
3. The L.C.D panel shows 0.00 after 2 seconds.

How to use Digital Torque Angle Adaptor

3-7 L.C.D backlight. (Optional)

On: Press and release the "☀" button.

Off: Press and release the "☀" button one more time.

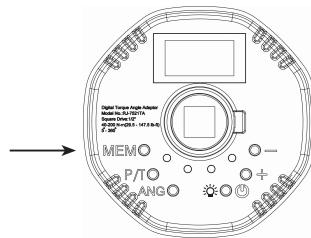


Turn Off.

1. If you do not use the adaptor for 80 seconds the digital adaptor will automatically shut off.
2. To manually turn off the digital adaptor press "☀" button for 3 seconds then release.

Memory

1. To display this store reading. The digital torque angle adaptor must be turned on.
2. Press "M" button at least 1 second and release.
3. The display show the memory number is "P01" then "Torque Value"
4. Press "M" button at least 1 second one more time.
5. The display show the memory number is "P02" then "Torque Value"
6. "P01" is the latest reading, "P50" would be the oldest.



Note

1. This Digital Torque angle adaptor stores the last 50 torque value readings.

Important Safeguards



Do not press "M" and " ⏻ " button together please.
The system will enter into Calibration Mode.
Turn off power please.

- Store in a clean, dry place.
- Use a soft, dry, clean cloth clean the adaptor and L.C.D panel.
- Basic safety precautions should be observed especially when using the adaptor on or near children and disabled persons.
- Never submerge the adaptor in water or any other liquid.
- Never clean the ratchet with organic solvents.
- Use the adaptor only for the intended use described in this manual.
- Do not exceed the permitted torque value for the adaptor.
- Do not use the adaptor if it is not working properly, or if it has suffered any damage.
- Do not disassemble the digital adaptor .
- Do not expose the adaptor to extreme temperature, humidity direct sunlight or shock violently.
- Do not shake or shock.
- To ensure accurate measurement periodic recalibration is necessary.



